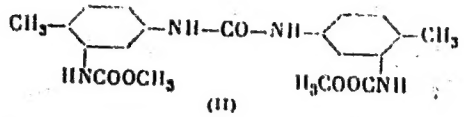
Concerning the Reactions of 2,4-Toluylene Diisocyanate With Water.

77894
SOV/79-30-2-45/78

Only melting temperatures were given for the compounds and structural formulas were not substantiated by experiments. The authors found that the above reaction yields a mixture of compounds, the melting temperature of which differs from the one given in patents by 5 to 10° C. The compound which by its chemical composition corresponds to 3,3'-diisocyano-4,4'-dimethylcarbanilide (I) was treated with methanol and converted to corresponding diurethane (II) (mp 220-220.5° C).



(II)

An identical urethane was obtained by parallel synthesis according to the following diagram.

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Concerning the Reactions of 2,4-Tolylene Diisocyanate With Water

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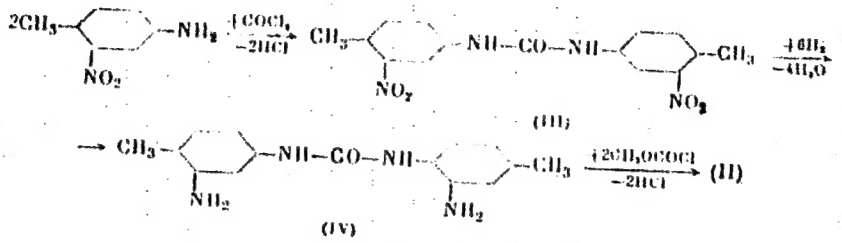

(III)

(IV)

The urea derivative (IV) with amino groups in 3,3' position was not previously described in the literature. Authors obtained (IV) (mp 230 °C) by reducing (III) with hydrogen in the presence of Raney nickel. The diamine (IV) was treated with methyl chloroformate to yield corresponding diurethane which was identical with the diurethane obtained from (I). This proves the structure of (I). There are 4 references, 1 Soviet 2 U.S., and 1 French. The U.S. references are: U.S Patent 2757185, 2757184; D. Simons, R. Arnold, J. Am.

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Concerning the Reactions of 2,4-Toluylene Diisocyanate With Water

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Chem. Soc., 78, 1658 (1956).

ASSOCIATION: Scientific Research Institute of Organic Intermediates and Dyes imeni K. Ye. Voroshilov (Nauchno-issledovatel'skiy institut organicheskikh poluproductov i krasiteley imeni K. Ye. Voroshilova)

SUBMITTED: October 20, 1958

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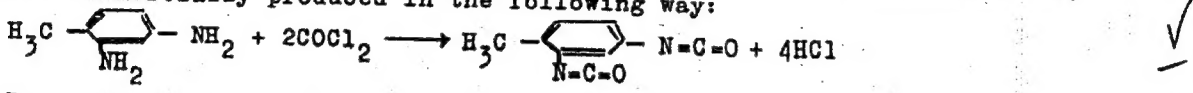
S/064/61/000/001/004/011
B110/B215

AUTHORS: ~~Khmel'nitskaya, I.~~ L., Gutorko, A. V., Shikhireva, L. I., Stroyesku, A. K.

TITLE: Technological problems of synthesizing 2,4- and 2,6-toluylene diisocyanate

PERIODICAL: Khimicheskaya promyshlennost', no. 1, 1961, 18-21

TEXT: Diisocyanates required for the production of polyurethane, such as 2,4-toluylene diisocyanate and a mixture of 2,4- and 2,6-diisocyanates, are commercially produced in the following way:



By applying the continuous method, the yield is increased from 65% to 80% as compared to the pericdic method. Time-consuming cleaning of the apparatus becomes necessary due to the formation of adhesive resins in the reaction. The authors studied the influence of various factors on diisocyanate and the formation of resin, and the possibilities of using

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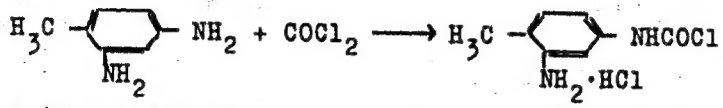
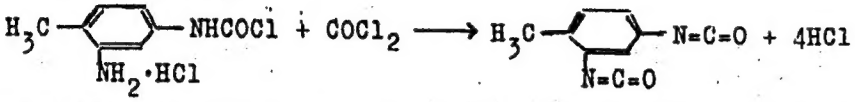
S/064/61/000/001/004/011
B110/B215

up and removing resin residues for improving the above method. To eliminate side reactions, phosgene treatment is first carried out at low temperatures (0 to 5°C). To eliminate the formation of urea derivatives, toluylene diamine is added to a solution of excessive phosgene in o-$C_6H_4Cl_2$ or C_6H_5Cl. The following reaction takes place:



By a temperature increase to more than 100°C, diisocyanate forms under the influence of phosgene:

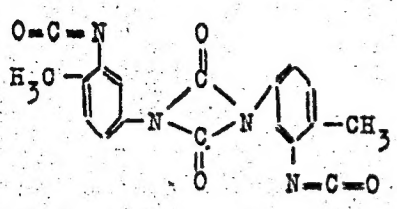


The authors studied the addition of toluylene diamine dissolved (I) or suspended (II) to an inert solvent during the continuous method. In (I) the diamine was dissolved in C_6H_5Cl, heated to 90 to 95°C, and added to the solution of phosgene in C_6H_5Cl which had been cooled down to -10°C.

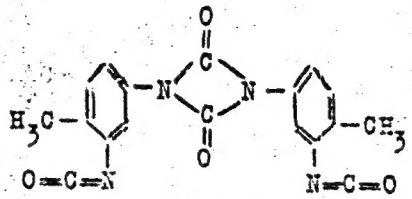
In (II), diamine dissolved in C_6H_5Cl was cooled down to 0°C under constant stirring. The limpid liquid changed into a coarse suspension which was pulverized in the ball mill for 7-8 hr. Degree of dispersion and homogeneity of the suspension were studied under the microscope. At 0°C, the suspension was added to the -10°C solution of phosgene; this caused a rise in temperature of up to -5°C. In (I) and (II), phosgene treatment was continued at 120°C. The process was finished after the residue had disappeared. HCl and $COCl_2$ were blown off by N_2, and solvent and diisocyanate were separated by fractionation. The isocyanate groups of the final product were determined by condensation of diethylamine. The nitrogen content of the resin was microanalytically determined according to Dumas. In solution (I) larger solid particles formed in the first part of phosgene treatment, due to partial overheating. For suspension (II), the dependence of resin formation on the size of particles is given in a table. With particle sizes $< 10\mu$, the suspension contains no larger solid particles, and the formation of resin is reduced to 15%, as compared to 22 to 32% in solution (I). Aqueous grinding therefore yielded a sufficient degree of dispersion and particle homogeneity at high suspension density. The

decomposition of the resin particles into toluylene diamine can only be carried out with aqueous alkali and under pressure, whereas they can be transformed into diisocyanate by distillation at 215°C and 1 to 80 mm Hg in high-boiling naphthene oil. For the latter process, however, an oil that is stable up to 300°C, a high vacuum, and filtering are required. The authors worked without solvents. After the distillation of diisocyanate at 105 to 107°C and 3 to 7 mm Hg, 16.5% of N_2 were microanalytically determined in the resin residue (38 to 40 percent by weight of the distilled diisocyanate) according to Dumas. Diisocyanate vapors were separated from the residue in the vacuum apparatus at 3 to 7 mm Hg and slowly increasing temperature. At 170 to 180°C it puffed up and hardened. Vapor separation stopped between 280 and 300°C. The residue, a dry, brittle, porous substance, was easily removable after cooling it in the N_2-current. Its nitrogen content was 16.4%. The authors assume that the original residue, besides the not distilled monomers, also contained the following dimer:

Technological problems of...



or



which decomposes into the monomer at 175°C. The second residue consists of high-polymer compounds. There are 1 table and 6 references: 2 non-Soviet-bloc.

Card 5/6

Technological problems of...

Legend to the Table: yield of diisocyanate and resin particles by adding emulsions, 1) particle size μ, 2) yield, %, 3) toluylene diisocyanate, 4) resin particles, 5) mixture of 2,4- and 2,6-toluylene diamine, 6) toluylene diamine.

1) Размер частиц μ	2) Выход, %	
	3) толуилендиизоцианата	4) смолистых примесей**
5) Смесь 2,4- и 2,6-толуилендиаминов		
≤10	79,8	15,1
≤50	70,0	21,8
≤300	65,6	24,4
6) 2,4-Толуилендиамин		
≤10	78,3	15,2
≤300	67,0	19,1

Card 6/6

KHMEL'NITSKAYA, I.L.; SERGEYEVA, Z.I.

Effect of sulfur dyes on the strength of cotton fabrics. Tekst. prom. 21 no.2:52-54 Ja '61. (MIRA 14:3)
(Sulfide dyes) (Cotton fabrics)

SERGEYEVA, Z.I.; KHMEL'NITSKAYA, I.L.

Protective properties of cyanamide polymers. Tekst. prom. 21 no. 4:45-47 Ap '61. (MIRA 14:7)
(Cyanamide) (Dyes and dyeing--Cotton)

VOSTOKOV, Aleksey Izmaylovich; [illegible], Ivan Pavlovich; [illegible], A.S., inzhener, retsenzent; [illegible], Kh.Z., redaktor; CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor.

[Production of sugar from beets] Proizvodstvo sakhara iz svekly. Moskva, Pishchepromizdat. No.1 [General description of the sugar beet industry] Obshchee opisanie sveklosakharnogo proizvodstva. 1955. 102 p. (Sugar industry) (MLRA 9:5)

KOMAROV, Avramiy Fedorovich; KOLOSKOV, Sergey Pavlovich; KUZNETSOV, N.M., spetsredaktor; KHMEL'NITSKAYA, [illegible], redaktor; SERGEIN, P.V., kandidat tekhnicheskikh nauk, retsenzent; KISINA, Ye.I., tekhnicheskiy redaktor.

[Mechanization of labor consuming operations in distilleries] Mekhanizatsiia trudoemkikh rabot na spirtovykh zavodakh. Moskva, Pishchepromizdat, 1957. 173 p. (MLRA 10:6)

(Distilling industries)

KRAPIVNER, V.S.; KHMEL'NITSKAYA, K.K.

Condition of the cardiovascular system in endarteritis obliterans of the lower extremities. Sov.med. 20 no.5:54-58 My '56. (MLRA 9:9)

1. Iz otdeleniya funktsional'noy diagnostiki (zav. V.S.Krapivner) poliklinik imeni F.E.Dzerzhinskogo (glavnyyvrach I.G.Karakazov, nauchnyy rupovoditel' - prof. A.N.Berinskaya) Ministerstva neftyanoy promyshlennosti SSSR.

(ENDATHERITIS OBLITERANS, complications,
cardiovasc. dis., systemic, in endarteritis of leg (Rus))
(CARDIOVASCULAR SYSTEM, in various diseases,
endarteritis obliterans of loser extremities with
systemic cardiovasc. manifest. (Rus))

KONSTANTINOV, A.; ALEKSANDROV, L.; KHMEL'NITSKAYA, L., red.;
SINYUKHIN, V., tekhn. red.

[Guide to the exhibition of Achievements of the National Economy of the U.S.S.R.] Putevoditel' vystavki dostizhenii narodnogo khoziaistva SSSR. Moskva, Otdel informatsii i pechati VDNKh SSSR, 1962. 74 p. (MIRA 17:2)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR.

GAL'PERIN, Yu.; KHMEL'NITSKAYA, L., red.

[Miracles are created by people; guide]Chudesa tvoriat liudi; putevoditel'. Moskva, TSintielektroprom, 1962. 78 p.
(MIRA 15:8)
(Moscow--Exhibitions) (Technological innovations)

PISARZHEVSKIY, O.N.; KHMEL'NITSKAYA, L., red.; MAYOROV, V., tekhn. red.; SINYUKHIN, V., tekhn. red.

[Science on the march]Nauka na marshe; putevoditel'-ocherk. [By] O.Pisarzhevskii. Moskva, Gostoptekhizdat, 1962. 40 p. (MIRA 15:12)

1. Moscow. Vystavka dostizheniy narodnogo khozyaystva SSSR. (Moscow--Exhibitions) (Technological innovations) (Research)

KHMEL'NITSKAYA, L.L.

Disorders of cardiac rhythm and their treatment. Sov. zdrav. Kir. no.3: 49-54 My-Je '62. (MIRA 15:5)

1. Iz kafedry propedevticheskoy terapii (zav. - dotsent M.M.Mirrakhimov) Kirgizskogo gosudarstvennogo meditsinskogo instituta.
(ARRHYTHMIA)

KHMEL'NITSKAYA, M.I.

Representation of desert vegetation on a 1 : 25000 topographic map.
Geod. i kart. no.1:40-45 Ja '64. (MIRA 17:9)

KHMEL'NITSKAYA, N.I.

Selecting the height of a section in the representation of sand relief on 1:25,000 scale maps. Geod. i kart. no.7:55-62 Jl '64.
(MIRA 17:12)

GOLOVATYY, R.M. [Holovatyi, R.M.]; KHMEL'NITSKAYA, N.M. [Khmel'nyts'ka, N.M.]

Concentration of traces of heavy metals from natural waters by the cationite method. Nauk.zap.L'viv.un. 46:141-144 '58. (MIRA 12:7)

(Ion exchange) (Water--Analysis)

KHMEL'NITSKAYA, N.M.[Khmel'nyts'ka, N.M.]; ZEMLYANSKIY, M.I. [Zemlians'kyi, M.I.], dots., otv. red.; KVITKO, I.S., red.

[Organic chemistry] Organichna khimiia. L'viv, Vyd-vo L'vivs'koho univ., 1965. 347 p. (MIRA 18:9)

BLYUMBERG, V.A., inzh.; KINEL'NITSKAYA, N.Ye., inzh.

Intensified drying of the windings of electrical machines.
Elektrotekhnika 35 no.5:39-40 My '64 (MIRA 17:8)

BLYUMBERG, V.A., inzh.; KHMEL'NITSKAYA, N.Ye., inzh.

Drying of the windings of electrical machines after saturation with water emulsion lacquers. Vest. elektroprom. 34 no.5:11-15 My '63. (MIRA 16:5)
(Electric machinery--Windings) (Electric machinery--Drying)

KHMEL'NITSKAYA, P.A.

MUKHINA, T.G.; SKROBUT, S.A.; KHMEL'NITSKAYA, P.A.; SHPAYER, A.L., redaktor; PANOVA, L.Ya., tekhnicheskiy redaktor

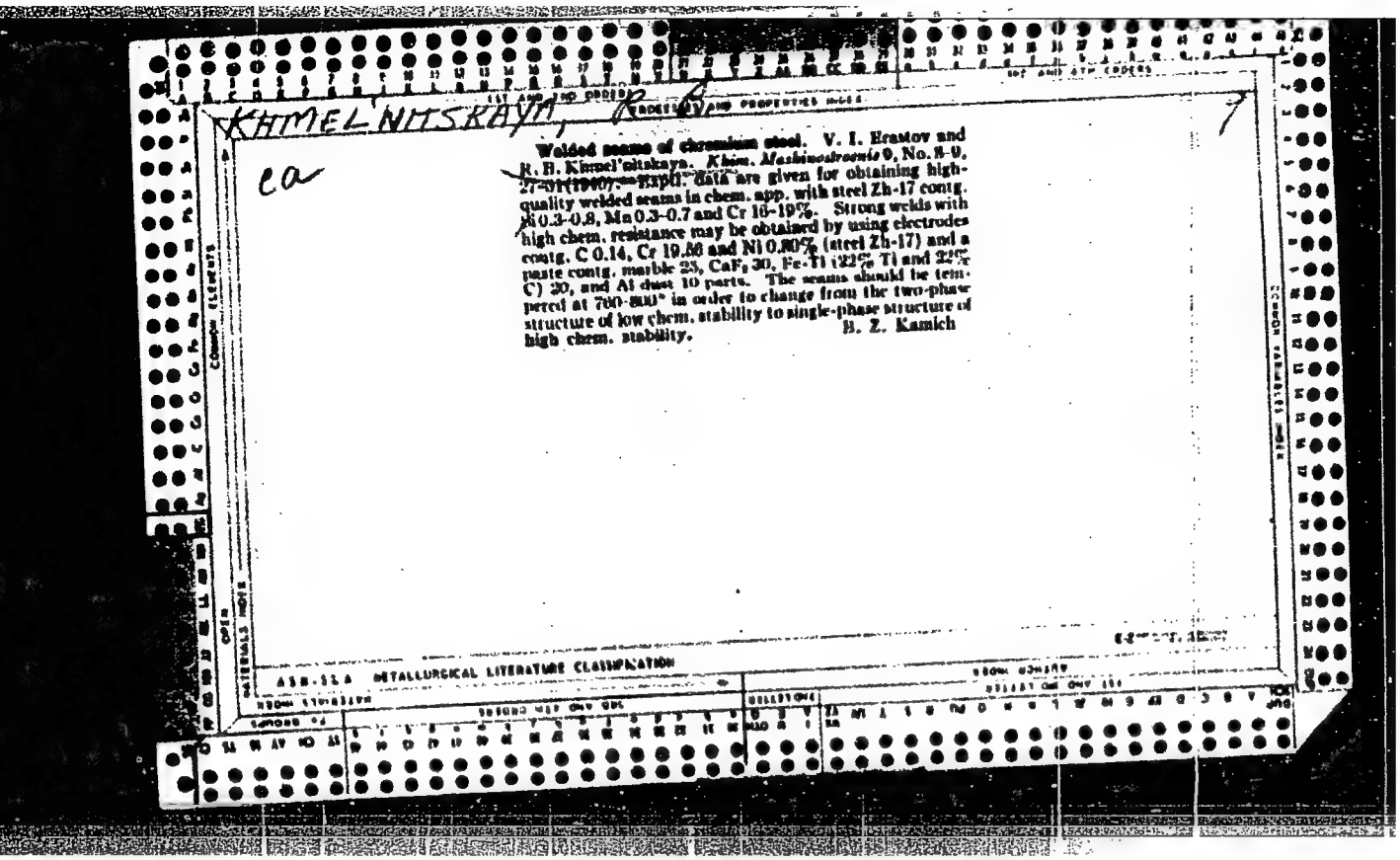
[How production costs were cut; Lyubertsy silicate brick factory] Kak snizhalas' sebestoimost' produktsii; Liuberetskii zavod silikatnogo kirpicha. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 34 p. (MLRA 10:4)

(Lyubertsy--Brickmaking)

KHMEL'NITSKAYA, R., inzh.; RASKOVALOV, A.

Creating a central photographic laboratory. Prom.koop. 14 no.2:27 F '60. (MIRA 13:5)

1. Otdel bytovogo obsluzhivaniya gorpromsoveta, Sverdlovsk (for Khmel'nitskaya). 2. Tekhnicheskiy rukovoditel' arteli "Fotoob"yedineniye," Sverdlovsk (for Raskovalov).
(Sverdlovsk--Photography--Studios and dark rooms)

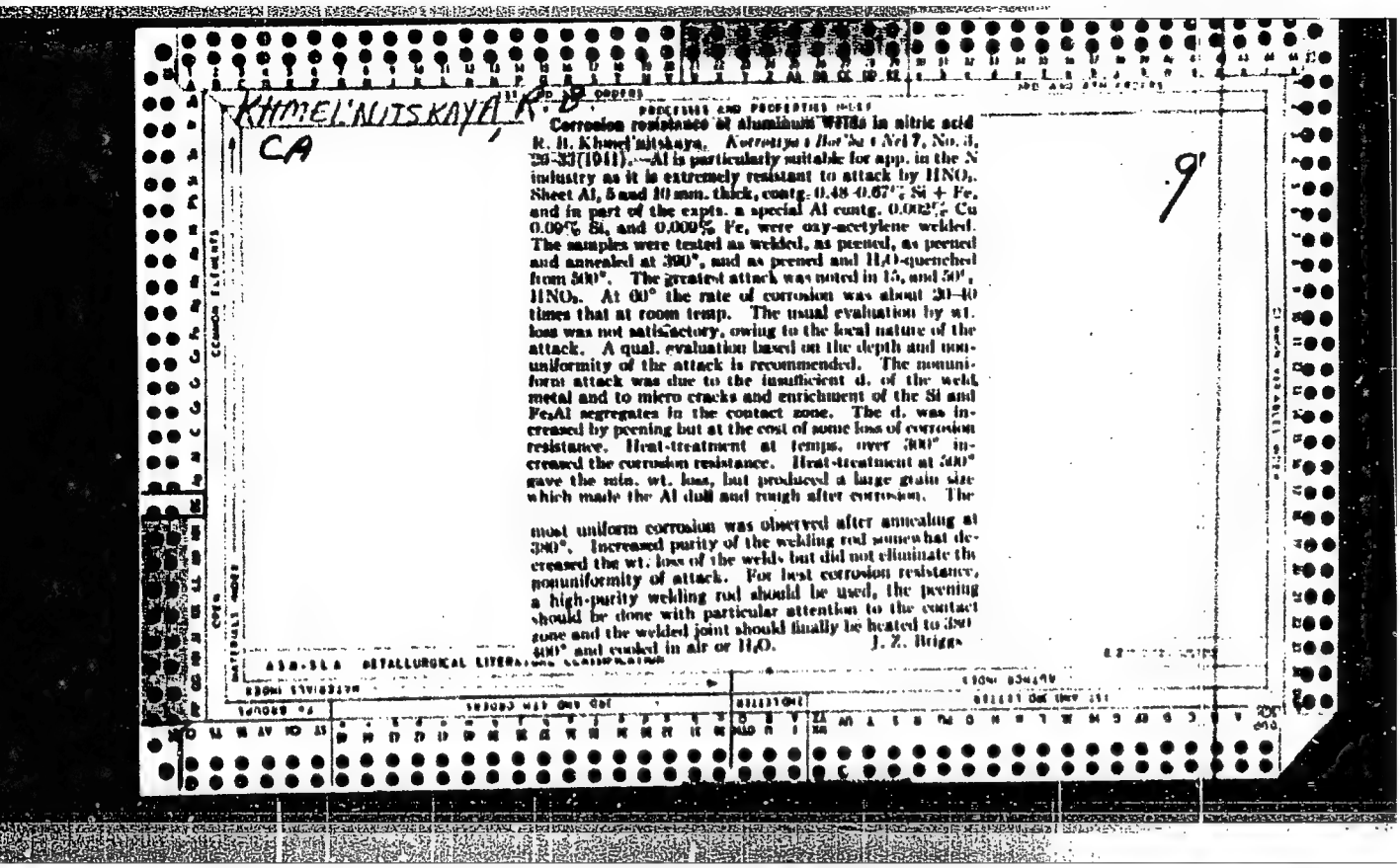


KHMEL'NITSKAYA, R.

ca

Welded seams of chromium steel. V. I. Erastov and R. B. Khmel'nitskaya. *Khim. Mashinostroenie* 9, No. 8-9, 27-31(1960). Exptl. data are given for obtaining high-quality welded seams in chem. app. with steel Zh-17 contg. Si 0.3-0.8, Mn 0.3-0.7 and Cr 16-19%. Strong welds with high chem. resistance may be obtained by using electrodes contg. C 0.14, Cr 19.86 and Ni 0.80% (steel Zh-17) and a paste contg. marble 25, CaF_2 30, Fe-Ti (22% Ti and 22% C) 20, and Al dust 10 parts. The seams should be tempered at 700-800° in order to change from the two-phase structure of low chem. stability to single-phase structure of high chem. stability. B. Z. Kamich

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



KHMEL'NITSKAYA, K. D.
CA

9

Corrosion resistance of aluminum welds in nitric acid. K. D. Khmel'nitskaya. *Kotloturbostroenie* 1941, No. 3, 29–33(1941).—Al is particularly suitable for app. in the N industry as it is extremely resistant to attack by HNO_3. Sheet Al, 5 and 10 mm. thick, contg. 0.48–0.67% Si + Fe, and in part of the expts. a special Al contg. 0.002% Cu 0.00% Si, and 0.000% Fe, were oxy-acetylene welded. The samples were tested as welded, as peened, as peened and annealed at 300°, and as peened and H_2O-quenched from 500°. The greatest attack was noted in 15, and 50% HNO_3. At 60° the rate of corrosion was about 30–40 times that at room temp. The usual evaluation by wt. loss was not satisfactory, owing to the local nature of the attack. A qual. evaluation based on the depth and nonuniformity of the attack is recommended. The nonuniform attack was due to the insufficient d. of the weld metal and to micro cracks and enrichment of the Si and Fe_2Al segregates in the contact zone. The d. was increased by peening but at the cost of some loss of corrosion resistance. Heat-treatment at temps. over 300° increased the corrosion resistance. Heat-treatment at 500° gave the min. wt. loss, but produced a large grain size which made the Al dull and rough after corrosion. The most uniform corrosion was observed after annealing at 300°. Increased purity of the welding rod somewhat decreased the wt. loss of the welds but did not eliminate the nonuniformity of attack. For best corrosion resistance, a high-purity welding rod should be used, the peening should be done with particular attention to the contact zone and the welded joint should finally be heated to 300–400° and cooled in air or H_2O. J. Z. Briggs

PEKARSKAYA, S.L.; KHMEL'NITSKAYA, R.P.

Vascular reactions in a tuberculosis patient during antibacterial treatment. Vop. epid. i klin. tub. 5:259-262 '58. (MIRA 14:12)
(TUBERCULOSIS)

KOGAN, P.Yu.; KHMEL'NITSKAYA, R.S. [Khmel'nyts'ka, R.S.]

Production has to be of excellent quality. Leh.prom. no.3:65-66 Je - Ag '62. (MIRA 16:2)

1. Khar'kovskaya mekhovaya fabrika No.1.
(Kharkov—Fur)

NIKOLAYCHUK, S.; KHMEL'NITSKAYA, S.; RUBCHINSKIY, I.

Progressive work practice. Den. i kred. 21 no.8:49 Ag '63.
(MIRA 16:9)

(Lyubertsy--Banks and banking)

KHMEL'NITSKAYA, S. A.

Khmel'nitskaya, S. A. "The change in basic metabolism under the effect of surgical intervention," Trudy Krymsk. med. in-ta im. Stalina, Vol. IV, 1948, p. 201-04

BO: U-3850, 16 June 53, (Letopsis 'Zhurnal 'nykh Statey, No. 5, 1949)

KHMEL'NITSKAYA, Vera Vladimirovna; FEDIN, P.Ye., otv. red.; ZAKHARUTINA, G., red.

[Group system of raising dam-suckled calves in the Maritime Territory] Podsosno-gruppovoe vyrashchivanie molodniaka v Primorskom krae. Vladivostok, Primorskoe knizhnoe izd-vo, 1962. 37 p. (MIRA 17:4)

FRENKEL', Ye.B., kand. tekhn. nauk; KHMEL'NITSKAYA, Ye.G., mladshiy nauchnyy sotrudnik; SHAKHOT, G.A., inzh.

Moisturing fur skins by steam-air mixture. Leg. prom. 18 no.5:35-36 My '58. (MIRA 11:6)
(Fur—Dressing and dyeing)

FRENKEL', YE. B., KHEL'NITSKAYA, YE. G.

Hides and Skins

Effect of rolling off operations on the shrinkage of sheepskin. Leg, prom., No.3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

ZUBIN, A.M., kand.biolog.nauk; KUZNETSOV, B.A., prof., doktor biolog. nauk; MOSHKOV, A.N., kand.sel'skokhoz.nauk; PURIM, Ya.A., kand. tekhn.nauk; CHATSKIY, P.I., kand.tekhn.nauk; SERGEYEVA, T.A., kand.tekhn.nauk; BARYKIN, A.M., kand.tekhn.nauk; LOSEVA, N.L., kand.tekhn.nauk [deceased]; RUMYANTSEV, M.Z., starshiy nauchnyy sotrudnik [deceased]; LAPIDUS, L.G., starshiy nauchnyy sotrudnik; FRENKEL', Ye.B., kand.tekhn.nauk; KHMEL'NITSKAYA, Ye.G., mladshiy nauchnyy sotrudnik; KATAYEV, V.P., kand.ekonom.nauk; KLYAGINA, N.I., red.; MARTYNOV, S.F., red.; MINAYEVA, T.M., red.; PLEMYANNIKOV, M.N., red.; KNAKNIN, M.T., tekhn.red.

[Manual on fur and sheep pelt garment manufacture] Spravochnik po mekhovoi i ovchinno-shubnoi promyshlennosti. Vol.2.[Raw materials. Semifinished and final products. Production technology] Syr'e. Polufabrikaty i izdeliia. Tekhnologiia proizvodstva. 1959. 631 p. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut mekhovoy promyshlennosti (NIIMP) (for Rumyantsev, Lapidus).

(Hides and skins) (Fur--Handbooks, manuals, etc.)

FRENKEL', Ye.B.; SHAKHET, G.P.; KAZAS, V.M.; KHMEL'NITSKAYA, Ye.G.; BRUSSER, V.M.; KAS'YANOVA, R.V.

New method of moistening fur skins and cuts in furrier work. Kozh.-obuv.prom. 5 no.1:28-31 Ja '63. (MIRA 16:2)
(Fur—Dressing and dyeing)

FRENKEL', Ye.B., kand tekhn.nauk; KHMEL'NITSKAYA, Ye.O., mladshiy nauchnyy sotrudnik; KAS'YANOVA, R.V., teknolog

Using a steam-air mixture for moisturizing pelts and semifinished sections in furrier work. Nauch.-issl.trudy NIIMP no.10:65-75 '60. (MIRA 14:4)

(Fur--Dressing and dyeing)

FRENKEL', Ye.B., kand. tekhn. nauk; KHMEL'NITSKAYA, Ye.G., mladshiy nauchnyy sotrudnik; KAS'YANOVA, R.V.

Use of infrared rays for rabbit pelt drying during the dyeing of raw skins. Nauch. issl. trudy NIIMP no.12:39-45 '63.

Radiation-convection method for drying sheep pelts with the use of gas radiators. Ibid.:45-55 (MIRA 17:11)

KHMEL'NITSKAYA, Ye.

Some features of the economic development of the German Federal Republic. Vop.ekon.no.3:141-158 Mr '56. (MLRA 9:7)
(Germany, West--Economic conditions)

KHMEL'NITSKAYA, Ye.

State-monopoly capitalism in Western Germany. Vop. ekon. no. 10:81-95 O '56. (MLRA 9:11)

(Germany, West--Economic policy)

KHAEL'NITSKAYA, Yelizaveta Leonidovna; SHCHETININ, V.D., red.; YEPIFANOV, M.P., red.; ROMANOVA, N.I., tekhn.red.

[Monopolistic capitalism in West Germany] Monopolisticheskii kapitalizm Zapadnoi Germanii. Moskva, Izd-vo IMO, 1959. 353 p. (MIRA 13:4)
(Germany, West--Economic conditions)

ARZUMANYAN, A.A., red.; LEMIN, I.M., doktor istoricheskikh nauk, red.; KHMEL'NITSKAYA, Ye.L., doktor ekonom.nauk, red.; KUCHINSKIY, N.N., red.izd-va; SHAMBERG, V.M., red.izd-va; GOLUB', S.P., tekhn.red.

[Problems of present-day capitalism; on the eightieth birthday od Academician E.S.Varga; collection of articles] Problemy sovremennogo kapitalizma; k 80-letiiu akademika E.S.Varga; sbornik statei. Moskva, 1959. 398 p. (MIRA 12:12)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.
(Economics)

GLUSHKOV, V.P., kand. ekon. nauk; POKROVSKIY, A.I., kand. ekon. nauk; VEBER, A.B., kand. istor. nauk; VASIL'KOV, N.P., kand. ekon. nauk; ARDAYEV, G.B., kand. ekon. nauk; TIMASHKOVA, O.K., kand. ekon. nauk; KIMEL'-NITSKAYA, Ye.L., doktor ekon. nauk, otv. red.; PANTELEYEV, V.I., red. izd-va; RYLINA, Yu.V., tekhn. red.

[Government ownership in Western Europe] Gosudarstvennaia sobstvennost' v stranakh Zapadnoi Evropy. Moskva, Izd-vo Akad. nauk SSSR, 1961. 463 p. (MIRA 14:11)

1. Akademiya nauk SSSR Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Sektor stran Zapadnoy Yevropy Instituta mirovoy ekonomiki i mezhdunarodnykh otnosheniy AN SSSR (for all except Panteleyev, Rylina).

(Europe, Western—Government ownership)

KHMEL'NITSKAYA, Ye. (P) USSR

KHMEL'NITSKAYA, Ye., (USSR), during the period 27 Aug - 3 Sep 62, participated in an informal conference of Marxist theorists from 23 countries on both sides of the iron curtain to discuss "Problems of Modern Capitalism." The conference, sponsored by the Soviet Union, was held in Moscow under the direction of the USSR Institute of World Economics and International Relations.

FDD SUMMARY NO 4243, 23 JAN 63, OUO

KHMEL'NITSKAYA, Ye.L., doktor ekon. nauk, prof.; LEMIN, I.M., doktor ist. nauk; MAKSIMOVA, M.M., kand. ekon. nauk; GONCHAROV, A.N., kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; VAL'KOV, V.V., kand. ekon. nauk; KOLLONTAY, V.M., kand. ekon. nauk; ETINGER, Ya.Ya., kand. ekon. nauk; DALIN, S.A., kand. ekon. nauk; PUSHKIN, A.A., mlad. nauchnyy sotr.; MOROZOV, V., red.; MOSKVINA, R., tekhn. red.

[Economic problems of the "Common Market."]Ekonomicheskie problemy "Obshchego rynka." Moskva, Sotsekgiz, 1962. 510 p. (MIRA 16:3)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy. 2. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy Akademii nauk SSSR (for all except Morozov, Moskvina).
(European Economic Community)

KHMEL'NITSKAYA, Ye.L., prof., doktor ekon. nauk; VOLKOV, M.Ya., kand. ekon. nauk; BEL'CHUK, A.I., kand. ekon. nauk; IORDANSKAYA, E.N., ml. nauchn. sotr.; MENZHINSKIY, Ye.A.; PAVLOVA, M.A., kand. ekon. nauk; VASIL'KOV, N.P., kand. ekon. nauk; ARDAYEV, G.B., kand. ekon. nauk; VAL'KOV, V.A., kand. ekon. nauk; TIMASHKOVA, O.K., kand. ekon. nauk; ANDREYEV, Yu.K., ml. nauchn. sotr.; PUSHKIN, A.A., ml. nauchn. sotr.; MAKSIMOVA, M.M., kand. ekon. nauk; KIRSANOV, A.V., kand. ekon. nauk; SHEBANOV, A.N., ml. nauchn. sotr.

[Changes in the economic structure of the countries of Western Europe]Izmeneniia v ekonomicheskoi strukture stran Zapadnoi Evropy. Moskva, Nauka, 1965. 433 p. (MIRA 18:9)

1. Akademiya nauk SSSR. Institut mirovoy ekonomiki i mezhdunarodnykh otnosheniy.

S/181/62/004/007/022/037
B102/B104

AUTHORS: Baru, V. G., and Khmel'nitskaya, Ye. M.

TITLE: The recombination processes in artificial PbS single crystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 7, 1962, 1897-1900

TEXT: The high defect concentration (Pb - acceptors, S - donors) in artificially grown PbS single crystals is due to the nonuniformity of the temperature field when the crystal, grown in a melt, is cooled down. The statistics of the recombination processes attendant upon such thermal defects are studied theoretically. Assuming Boltzmann distribution in bands and local levels, and allowing for the fact that both types of defects form very shallow local levels, expressions are derived for the recombination rates, the defect concentrations, and the coefficients of radiative recombination. These relations are used to estimate the lifetime of the non-equilibrium carriers in dependence on the electron concentration. The curves $\tau(n)$ show that τ has a maximum at

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The recombination processes in ...

$n \approx 3 \cdot 10^{15}$ cm^{-3} and that in all cases the lifetimes are shorter in radiationless recombinations than in radiative recombination. In the latter mechanism, τ is a function of n^2; for p-type substances, $\tau p^2 = 2 \cdot 10^{27}$ $sec \cdot cm^{-6}$, which agrees with measurements carried out by N. S. Baryshev and I. S. Aver'yanov ($3 \cdot 10^{27}$ $sec \cdot cm^{-6}$). There is 1 figure.

ASSOCIATION: Gosudarstvennyy opticheskiy institut im. S. I. Vavilova, Leningrad (State Optical Institute imeni S. I. Vavilov, Leningrad)

SUBMITTED: March 1, 1962

Card 2/2

SOCHAVA, V.B., otv. red.; KROTOV, V.A., prof., otv.red.; GERASIMOV,I.P., akad., red.; POKSHISHEVSKIY, V.V., prof. red.; RIKHTER,G.D., prof., red.; VOROB'YEV, V.V., kand.geogr.nauk, red.; KUDINOVA, L.I., red.; KHOMEL'NITSKAYA,Ye.S., red.; SEPPING, N.G., red.; PECHERSKAYA,T.I., tekhn.red.

[Geographical problems of Siberia and the Far East; results of the First Scientific Conference of the Geographers of Siberia and the Far East] Problemy geografii Sibiri i Dal'nego Vostoka; itogi Pervogo nauchnogo soveshchaniia geografov Sibiri i Dal'nego Vostoka. Irkutsk, Irkutskoe knizhnoe izd-vo, 1960. 133 p.
(MIRA 14:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geografii Sibiri i Dal'nego Vostoka. 2. Chlen-korrespondent AN SSSR (for Sochava)

(Siberia--Geography) (Soviet Far East--Geography)

MALYSHEV, L.I., otv. red.; SEPPING, N.G., red.; KEMSKI'NITSKAYA, Ye.S., red.

[Science lectures dicated to the memory of Mikhail Grigor'yevich ropov] Nauchnye chteniia pamiati Mikhaila Grigor'yevicha Popova. Irkutsk, Irkutskoe knizhnoe izd-vo, no.5. 1963. 81 p. (MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye.

ORLOVA, Ye.A.; KHMEL'NITSKAYA, Ye.Yu.

Analysis of mixture of ethanolamines. Zav.lab. 31 no.4:417-419 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

KHMEL'NITSKAYA, Ye.Yu.; GRIBOVA, Ye.A.

Concerning the article by G.D. Gal'pern and N.N. Bezinger "Determination of primary, secondary, and tertiary amino groups when present together". Zhur. anal. khim. 19 no.11: 1417-1418 '64. (MIRA 18:2)

KHMEL'NITSKAYA, Ye.Yu.

Analysis of 2,6-diaminopyridine by potentiometric titration.
Zav.lab. 31 no.4:422 '65. (MIRA 18:12)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov i krasiteley.

ACCESSION NR: AP4020097 S/0304/64/000/001/0052/0053

AUTHORS: Gaysin, B. M. (Engineer); Khmel'nitskaya, Yu. P. (Engineer)

TITLE: Producing complex shapes in steel castings with clean surfaces

SOURCE: Mashinostroyeniye, no. 1, 1964, 52-53

TOPIC TAGS: steel, casting, shaped casting, complex shape, cast lubricant, lubricant, zirconium die lubricant, zirconium powder, nitroenamel, 624A nitroenamel, 646 solvent

ABSTRACT: Producing casting molds by the chemical hardening method has become very popular. It could not be used, however, in casting complex shapes because of the absence of good anti-pickup materials capable of preventing cinder fragments from adhering to the steel surface. A self-drying zirconium dye was devised by the TsNIITmash for this purpose. It contains (in vol. %) zirconium powder - 53, nitroenamel 624A -- 10-15, 646 solvent--32-37. Its specific weight is 1.9-2.0 g/cm^3. Cold casting molds blown through with CO_2 were covered with the first layer of this dye and allowed to dry for 4-5 minutes. They were then covered by the second

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ACCESSION NR: AP4020097

layer of the dye and dried for 20-30 minutes. If a double layer did not prevent the pickup, the molds were covered by three or four layers and dried for a longer period of time. The steel castings so protected were free of surface defects. The dye is characterized by its stable pigment suspension, by its high painting ability, by rapid drying in air, by the formation of a durable layer, and by fast hardening. One ton of castings required 1.5-2 kg of paint.

ASSOCIATION: none

SUBMITTED: 00	DATE ACQ: 31Mar64	ENCL: 00
SUB CODE: ML	NO REF SOV: 000	OTHER: 000

Card 2/2

KHMEL'NITSKAYA, Z.D.

USSR/Farm Animals - Large Horned Cattle. Q-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83340

Author : Odynets, R.N., Yakovlev, V.G., Dokunin, A.F., Khmel'nitskaya, Z.D.

Inst : Institute of Zoology and Parasitology, AS KirgSSR.

Title : The Effect of Sugar Beets upon Nitrogen, Calcium, and Phosphorus Metabolisms in Milch Cows.

Orig Pub : Tr. In-ta zool. i parazitol. AN KirgSSR, 1957, vyp. 6, 231-240.

Abstract : In addition to their usual diet, Alatauskan breed cows received 40-45 kg of fodder beets in the first series of tests. In the second series of tests they received in addition to their usual diet 20 kg of sugar beets (5 kg 4 times daily). When sugar beets were fed to the animals, the following blood indicators became higher: the water

Card 1/2

AFANAS'YEV, P.V.; YAKOVLEV, V.G.; FRENKEL', G.L.; KHMEL'NITSKAYA, Z.D.

Biochemistry of thermal traumas. Izv. AN Kir. SSR no.5:121-131 '58. (MIRA 11:7)

(Cold--Physiological effect) (Heat--Physiological effect)

KHMEL'NITSKIY, A.

The Volga-Baltic Sea Waterway is an important construction project of the seven-year plan. Volog. kari no.3:3-12 '62. (MIRA 16:12)

1. Nachal'nik "Volgobaltstroya".

KHMEL'NITSKIY, A. D.

Khmel'nitskiy, A. D.- "Study of the flywheel operation of the stone jaw crusher," Nauch. trudy (Akad. kommunal. khoz-va im. Pamfilova), Issue 1, 1949, p. 43-51

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949).

Released 1958

KHMEL'NITSKIY, A.P.; KISELEVA, V.A.

Comparative investigation of the performance of a spark-ignition engine on liquefied, natural and coke gases and on gasoline. Trudy Lab.dvig. no.5:145-166 '60. (MIRA 14:3)
(Gas and oil engines—Testing)

3(4)

AUTHOR: Khmel'nitskiy, A. R. SOV/6-59-9-6/19

TITLE: Use of the Autocrane in Geodetical Work

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 9, p 31 (USSR)

ABSTRACT: During the field season 1958, Team Nr 108 used an autocrane for loading and unloading timber and various commercial goods, and for auxiliary operations. The timber had a diameter of from 50 to 65 cm, and a length up to 14 m. The transport was carried out on four-wheel cars complicating manual unloading. To unload a car with 50 m^3 of timber, a brigade of 8 men needed 8-10 hours. By using the autocrane, the same brigade required only 2-3 hours for the same work. More than 2,000 m^3 of timber were unloaded from the cars in this way, and loaded onto the trucks in 1958.

Card 1/1

MALKOV, V.M.; VIKULOV, S.V., red.; DRUGOV, V.I., red.; LOGINOV, V.I., red.; MIKHAYLOV, P.D., red.; SHOROKHOV, A.N., red.; PARAMONOV, B.P., red.; ROMANOV, A.A., red.; NEVZOROV, V.T., red.; KHMEL'NITSKIY, A.S., red.

[Volga-Baltic Sea Waterway] Volgo-balt. Vologda, Severo-Zapadnoe knizhnoe izd-vo, 1965. 381 p. (MIRA 18:10)

KHMEL'NITSKIY, A.S.

Largest waterway. Transp. stroi. 14 no.6:2-4 Je '64.
(MIRA 18:2)

1. Nachal'nik upravleniya Volgobaltstroy.

KHMEL'NITSKIY, Dmitriy Georgiyevich [Khmel'nyts'kyi, D.H.], kand.ekon.nauk; GORBENKO, Ye.M. [Horbenko, IE.M.], red.; kand.ekon.nauk, red.; LAZORENKO, M.F., red.

[Cost of industrial production and the principal ways of reducing it] Sobivartist' promyslovoi produktsii ta osnovni shliakhy ii znyzhennia. Kyiv, 1958. 38 p. (Tovarystvo dlia poshyrenila politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.2, no.2). (Efficiency, Industrial) (MIRA 12:3)

ZADOROZHNYY, Vasiliy Kirillovich [Zadorozhnyi, V.K.], kand.ekon.nauk; KHMEL'NITSKIY, D.G. [Khmel'nyts'kyi, D.H.], kand.ekon.nauk, glavnyy red.; DAN'KO, I.V., otv. za vypusk

[Socialist reforms and the rising standard of living of West Ukrainian workers] Sotsialistychni peretvorennia i zrostannia dobrobutu trudiashchykh zakhidnykh oblastei URSR. Kyiv, 1959. 27 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.1, no.34) (MIRA 13:1)

1. Referent pravlinnya Tovarystva dlya poshirennya politichnikh i naukovikh znan' Ukraine'koi RSR (for Dan'ko).
(Ukraine, Western--Economic conditions)

MALAKHOV, Ivan Kuz'mich; KHMEL'NITSKIY, Dmitriy Georgiyevich [Khmel'nyts'kyi, D.H.]; BOLDYREV, R., red.; GUSAROV, K. [Husarov, K.], tekhn.red.

[Economy, organization, and planning of machinery plants] Ekonomika, organizatsiia i planuvannia mashynobudivnykh pidpryiemstv. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1959. 163 p. (MIRA 13:6)
(Machinery-Industry)

KHMEL'NITSKIY, Dmitriy Georgiyevich [Khmel'nyts'kyi, D.H.], kand. ekonom. nauk, starshiy prepodavatel'; NIKOLAYEVA, L.[Nikolaieva, L.], red.; GAVRILETS', D. [Havrylets', D.], tekhn. red.

[Production costs and ways to reduce them] Sobivartist' produktsii ta shliakhy ii znyzhennia. Kyiv, Derzh. vyd-vo polit. lit-ry URSR, 1961. 37 p. (MIRA 14:10)

(Costs, Industrial)

[redacted], A. A. (Engr)

Dissertation: "An Investigation of Noise-Reducing Capacity in Reception of Radio-telegraph Signals with Antenna Array." Cand Tech Sci, Moscow Electrical Engineering Institute of Communications, 17 Jun 54. (Vechernyaya Moskva, Moscow, 8 Jun 54)

SO: SUM 313, 23 Dec 1954

27777
S/106/61/000/008/001/006
A055/A127

9.3271 (1139, 1159, 1067)

AUTHOR: Khmel'nitskiy, E. P.

TITLE: Anode modulation under heavy overvoltage conditions with complex load

PERIODICAL: Elektrosvyaz', no. 8, 1961, 20-25

TEXT: In his earlier articles [Ref. 1: "Ob odnom sposobe znachitel'nogo povysheniya kolebatel'noy moshchnosti i kpd generatora rabotayushchego v perenapryazhennom rezhime" ("A method for increasing considerably the oscillating power and the efficiency of an oscillator operating under overvoltage conditions") Radiotekhnika, 1955, no. 8; Ref. 2: "Raschet generatora v perenapryazhennom rezhime pri rasstroyennoy nagruzke" ("Calculation of an oscillator operating under overvoltage conditions with detuned load), Elektrosvyaz', 1957, no. 5, and Ref. 3: "O nekotorykh osobennostyakh analiza sil'no perenapryazhennogo rezhima generatora s kompleksnoy nagruzkoy" ("Some peculiarities of the analysis of an oscillator operating under heavy overvoltage conditions with complex load") Elektrosvyaz', 1960, no. 5], the author did not consider the modulation problem. The present analysis is an attempt to tackle this difficult problem. The

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Anode modulation under heavy overvoltage ...

analysis is limited to two points of the modulation characteristic in the case of a linear dependence of the oscillating voltage and current in the anode circuit upon the d-c anode voltage E_a. Under heavy overvoltage conditions, the residual voltage is negative, because $1 < \xi$ = constant ($\xi = U_{a1}/E_a$), and no increase of its positive value takes place during the transition to the peak point. It is necessary therefore to find out what, in the modulation process under these conditions, is the cause of a practically linear relation between the fundamental frequency current and E_a:

$$I_{a1} = f(E_a).$$

The first step in this analysis is, of course, the examination of the change in the pulse shape. The trough width θ_1 and the shift of its center ψ are related, as shown in one of the earlier works, by the following expression:

$$\varphi_1 = \arccos \frac{1}{\xi} \cos \frac{\psi + 0.5\,\theta_1 - \varphi_{i1}}{2},$$

where φ_1 is the phase angle between the anode current and the load voltage at the fundamental frequency, and φ_{i1} is the shift of the fundamental frequency current amplitude from the pulse center. φ_1 being constant at modulation, and ξ

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Anode modulation under heavy overvoltage ...

being stable, an investigation leads the author to the following conclusions: 1) the point determining the left-hand limit of the trough is practically constant at modulation; 2) ψ and θ_1 do not vary. The method used by the author for the calculation of the modulated oscillator is based on these conclusions. Under the here examined operation conditions, the lower cutoff angle θ varies considerably (together with E_g). To study this process, the author uses, after a slight modification, another formula derived in one of his earlier articles:

$$U_g = \frac{I_{sm}}{S\,(1 - \cos\theta)} - D\,(e_{a1} + e_{a2} + e_{a3})$$

where $(e_{a1} + e_{a2} + e_{a3})$ is the resulting a-c anode voltage at the moment $\omega t = 0$. This equation can also be written as follows:

$$\frac{I_{a1}}{S\,(U_g - DE_a)} = \alpha_1\,(1 - \cos\theta).$$

[Abstracter's note: This analysis being a further development of the author's earlier articles, the same formulae, symbols and subscripts are used without any explanation, save in a few cases.]. To calculate the modulated oscillator, it is adequate, here, to find first all the data for the quiescent condition and use then these data for the calculation of the necessary data for the peak point.

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A055/A127

Anode modulation under heavy overvoltage ...

For simplicity, a practical (numerical) example is used by the author to show how all these data can be calculated. There are 5 figures and 3 Soviet-bloc references.

SUBMITTED: February 10, 1961

Card 4/4

KHMEL'NITSKIY, E.Ye.

Calculating the heat transfer ratio of the radiators of motor vehicles. Avt. prom. 31 no.2:26-30 F '65.

(MIRA 18:3)

1. TSentral'nyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

SOV/113-59-2-13/20

AUTHORS: Minkin, M.L., Candidate of Technical Sciences, and Khmel'nitskiy, E.Ye.

TITLE: Some Experience in the Production of Plate Radiators (Iz opyta proizvodstva plastinchatykh radiatorov)

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 2, pp 27-28 (USSR)

ABSTRACT: The author describes the tests conducted by NAMI with plate radiators, used in "Moskvich" automobiles, upon request from the Moscow Small-Displacement Car Plant. The tests showed that the heat emission of the radiators can be increased up to 10% by using corrugated plates (Fig 2) with ridges and cavities. Furthermore, the use of copper instead of brass for their construction would further increase the heat emission by 16-18%. There are 1 photograph, 2 graphs, and 4 Soviet references.

ASSOCIATION: NAMI; Moskovskiy zavod malolitrazhnykh avtomobiley (Moscow Small Car Plant)

Card 1/1

MINKIN, M.L., kand.tekhn.nauk; KHOKL'NITSKIY, E.Ye.; SHAYEVICH, A.G.; KARAVAYEV, V.I.

New radiators for the ZIL motor vehicles. Avt.prom. no.9:10-14 S '60. (MIRA 13:9)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy avtomotornyy institut i Moskovskiy avtozavod imeni Likhacheva.
(Motor vehicles--Radiators)

MINKIN, M.L., kand.tekhn.nauk; KHMEL'NITSKIY, E.Ye.; SHAYEVICH, A.G.; KAMAVAYEV, B.I.; PAPIN, A.A.

Increasing the effectivness of cooling systems for automobile engines. Avt. prom. no.2:10-13 F '61. (MIRA 14:1)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut i Moskovskiy avtozavod imeni Likhacheva.
(Automobiles--Engines--Cooling)

KHMEL'NITSKIY, E.Ye.

Criterions and methods for evaluating thermal effectiveness of motor-car radiator cores. Avt.prom. 28 no.10:22-26 O '62. (MIRA 15:9)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.
(Motor vehicles—Radiators)

L 58849-65 EWT(d)/SED-2/EWP(1) Pq-4/Pg-4/Pk-4 IJP(c) BB/GG

ACCESSION NR [illegible]

[illegible]

TITLE [illegible]

SOURCE: Priborostroyeniye, no. 5, 1965, 14-15

TOPIC TAGS: binary counter, AND NOT element, universal logical [illegible]

ABSTRACT: A binary counter is briefly described in which each [illegible] two [illegible] elements [universal AND-NOT [illegible]] [illegible] circuit diagram is given [illegible]

[illegible]

SUBMITTED: [illegible] ENCL: 00

NO REF SOV: 000 OTHER: 000

Card 1/1

KHMEL'NITSKIY, F. M.

20141 KHMEL'NITSKIY, F. M. Gemangioma pecheni. Vrachev. delo, 1949, No. 6, stb. 557-58

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949

KHDMEL'NITSKIY, F.M., kandidat meditsinskikh nauk

Experience in organizing rural surgical aid in gastroduodenal hemorrhage caused by ulcers. Sov.med. 20 no.12:69-71 D '56. (MLRA 10:1)

1. Iz Kirovogradskoy oblastnoy bol'nitsy.

(PEPTIC ULCER, hemorrhage surg. management in village)

KHMEL'NITSKIY, G.I.

Automatic welding of longitudinal bearers in the frame of freight cars. Avtom. svar. 17 no.7:61-63 Jl '64.
(MIRA 17:8)

1. Dneprodzerzhinskiy vagonostroitel'nyy zavod.

KRAEL'NITSKIY, G.; BABITSKIY, D.; PERL'MAN, L.

Construction Industry - Accounting

Organization of calculations in construction, Sov. fin., 13, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

KHMEL'NITSKIY, O.

Shortcomings in the control of the Industrial Bank. Fin. SSSR 16 no.5:38-40 My '55. (MLRA 8:6)
(Ukraine--Banks and banking)

KHMEL'NITSKIY, Georgiy Semenovich; KARAGODIN, V.L., redaktor; AVRUSHCHENKO, P.A., redaktor izdatel'stva; ZHOROV, D.M., tekhnicheskiy redaktor

[Tables for hydraulic calculations of drainage installations] Tablitsy gidravlicheskogo rascheta vodootvodnykh sooruzhenii. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1956. 61 p. (MLRA 9:9)
(Hydraulic engineering--Tables, calculations, etc.)
(Drainage, House)

KHMEL'NITSKIY, G.

Using credit issued by the Industrial Bank. Fin. SSSR 17 no.7: 64-65 Jl '56. (MLRA 9:9)
(Ukraine--Construction industry--Finance)

KHMEL'NITSKIY, G.

Strengthen the control of banking institutions over construction.
Fin. SSSR 18 no.5:77-79 My '57. (MLRA 10:6)

1. Upravlyayushchiy Ukrainskoy kontoroy Prombanka.
(Construction industry) (Banks and banking)

KHMEL'NITSKIY, G.

Hidden potentialities in Ukrainian construction. Fin. SSSR 19 no.12:48-53 D '58. (MIRA 11:12)

1. Upravlyayushchiy Ukrainskoy respublikanskoy konteroy Prombanka.
(Ukraine--Construction industry--Finance)

KHMEL'NITSKIY, G.

The Construction Bank and putting capital assets in operation.
Fin. SSSR 37 no.7:66-69 Jl '63. (MIRA 16:8)

1. Upravlyayushchiy Ukrainskoy respublikanskoy kontoroy Stroybanka.
(Ukraine--Capital investments)

BURLAKOV, N.Ya., inzh.; KAPLAN, G.A., inzhener-ekonomist; LISTENBURT, F.M., kand.geogr. nauk; SMOLYAR, I.M., kand. arkhitektury; SOLDATOV, S.I., kand. arkhitektury; SOLOFNENKO, N.A., kand. arkhitektury; KHMEL'NITSKIY, G.S., inzh.

Regional planning is necessary. Prom. stroi. 40 no.8:42-45 Ag '63. (MIRA 16:8)

(Regional planning)

RYAZANOV, V.S.; BUTUZOVA, V.P.; SIMONOV, G.V.; GOL'DSHTEYN, A.M.; KORNEYEV, N.A.; SAMOYLOV, Ya.M.; LYSYKH, I.V.; KHMEL'NITSKIY, G.S.; KRUTIKOV, Ye.B.; ANTONOV, M.F.; DOBROSEL'SKAYA, T.M.

[Recommendations for the establishment of schemes for planning farming areas] Rekomendatsii po sostavleniiu skhem planirovki sel'skokhoziaistvennykh raionov. Moskva, Stroiizdat, 1965. 151 p. (MIRA 18:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut po gradostroitel'stvu. 2. TSentral'nyy nauchno-issledovatel'skiy i proyektnyy institut po gradostroitel'stvu, Moskva.

KHMEL'NITSKIY, K.A. (Minsk)

Elimination of large swallowed foreign bodies. Vest. khir. 77 no.1: 118 Ja '56 (MLRA 9:5)

(INTESTINES--FOREIGN BODIES)

KHMEL'NITSKIY, K.K.

Interesting case of the reproduction of Salix nigricans.
Priroda 50 no.8:106 Ag '61. (MIRA 14:7)

1. Botanicheskiy sad Samarkandskogo gosudarstvennogo universiteta.
(Samarkand—Willows) (Plants—Reproduction)

TETERIV, Mikhail Nikolayevich; KLYUYEV, Yuriy Vladimirovich; VOLOGDIN, L.A., inzh., retsenzent; KONYAYEV, V.G., inzh., retsenzent; MILOKHOV, A.A., inzh., retsenzent; UGRYUMOV, G.A., inzh., retsenzent; KIMEL'NITSKIY, L.I., inzh., red. VOROTNIKOVA, L.F., tekhn. red.

[Mechanization of the intrastation conveying of documents] Mekhanizatsiia vnutristantsionnoi peresylki dokumentov. Moskva, Transzheldorizdat, 1962. 68 p. (MIRA 15:7)
(Railroads--Stations) (Pneumatic-tube transportation)

PREDE, V.Yu., inzh., red.; KHMEL'NITSKIY, L.I., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Brigades of communist labor of operating railroad workers] Brigady kommunisticheskogo truda rabotnikov dvizheniia; iz opyta Moskovskoi dorogi. Moskva, Vses.izdatel'sko-poligr.ob"edineniie M-va putei soobshcheniia, 1961. 54 p. (MIRA 14:12)
(Railroads—Employees)

BUDANOV, A.S. (Leningrad); BOGDANOV, N.M., inzh. (Leningrad); KHMEL'NITSKIY, L.I., inzh. (Leningrad)

Uniform technology in the operations of railroad stations and harbors. Zhel.dor.transp. 44 no.11:42-47 N '62. (MIRA 15:11)

1. Zamestitel' nachal'nika Leningradskogo torgovogo morskogo porta (for Budanov). 2. Stantsiya Novyy Port (for Bogdanov).
(Freight and freightage)

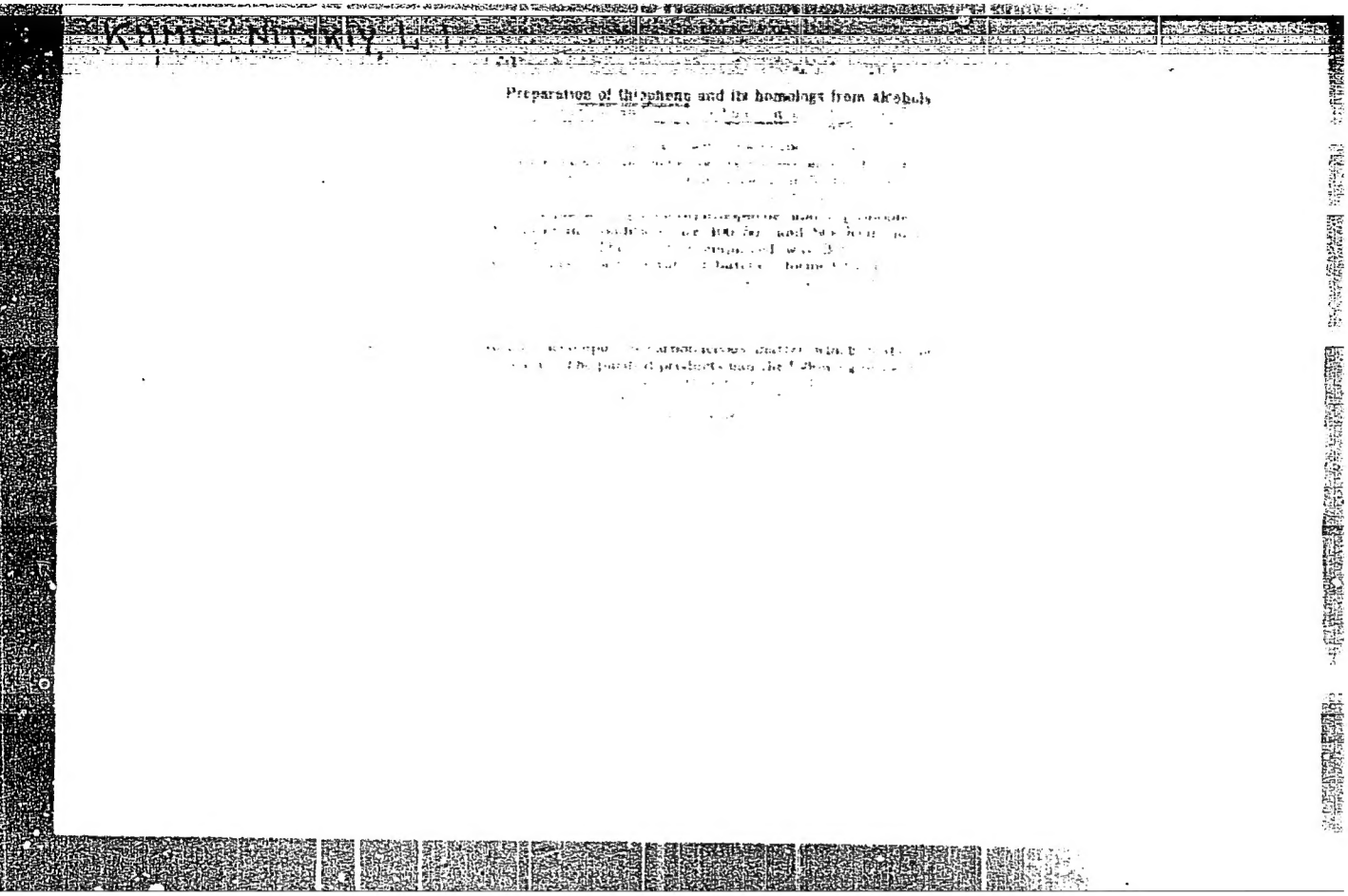
BREYDO, Al'bert Itskovich; ZHIL'TSOV, P.N., inzh., retsenzent; KHMEL'NITSKIY, L.I., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

[Operation of electric interlocking systems] Ekspluatatsiia ustroistv elektricheskoi tsentralizatsii. Moskva, Transzheldorizdat, 1963. 53 p. (MIRA 16:7)
(Railroads--Signaling--Interlocking systems)

KHAEL'NITSKIY, L. I.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Organic Chemistry

Synthesis of 1-aryl-3-hydroxypyrrolidines. Yu. A. Arbuzov and L. I. Khmel'nitskii. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1952, 695–6 (Engl. translation).—See *C.A.* 47, 5927e.



Preparation of thiophene and its homologs from alcohols